

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 6 (Caneceled)

7. (Currently Amended) A digital broadcasting system employing a control channel and a plurality of broadcast channels, wherein the control channel is provided for transmitting therethrough a synchronous signal section and a data transmission section alternately, the system comprising:

a transmitter for dividing the data transmission section into a control data section and a secondary broadcast section, for multiplexing summary information of a secondary broadcast, control data of the broadcast channels and a predetermined synchronous signal by allocating each to the secondary broadcast section, the control data section and the synchronous signal section, respectively, and for transmitting the multiplexed summary information of the secondary broadcast, control data of the broadcast channels and a predetermined synchronous signal through the control channel; and

a receiver for receiving a signal transmitted through the control channel, determining whether the summary information of the secondary broadcast is present in the secondary broadcast section, and providing the summary information of the secondary broadcast to a user after extracting the information from the secondary broadcast section.

8. (Currently Amended) The system according to claim 7, wherein the transmitter transmits ~~[[a]]the~~ secondary broadcast corresponding to the summary information of the secondary broadcast comprising a channel number of at least one broadcast channel of the plurality of broadcast channels through the at least one ~~broadcast channel of the plurality of broadcast channels~~, and the receiver receives the

at least one broadcast channel, through which the secondary broadcast is transmitted, in accordance with a user's request.

9. (Canceled)

10. (Currently Amended) The system according to claim [[9]]8, wherein the receiver comprises a secondary broadcast conversion circuit for retrieving the channel number of the at least one broadcast channel from the summary information of the secondary broadcast, through which the secondary broadcast is transmitted.

11. (Currently Amended) The system according to claim [[1]]7, wherein the summary information of the secondary broadcast comprises a message identifier for identifying the secondary broadcast, and the receiver comprises a memory for storing the message identifier.

12. (Currently Amended) The system according to claim 11, wherein the summary information of the secondary broadcast comprises start and end codes and information representing the summary information size and type.

13. (Currently Amended) A device for receiving a secondary broadcast in a digital broadcasting system employing a control channel and a plurality of broadcast channels, the control channel comprising a synchronous signal section and a data transmission section arranged alternately, the device comprising:

a receiver for receiving signals of the control channel and a channel selected by a user from the plurality of broadcast channels;

a summary information of a secondary broadcast determination means for determining whether summary information of a secondary broadcast is present in the data transmission section of the control channel at a predetermined position thereof;

a secondary broadcast extractor for extracting the summary information of the secondary broadcast transmitted while being inserted in the data transmission section at the predetermined position thereof; and

a summary information of a secondary broadcast reproducer for reproducing the extracted summary information of the secondary broadcast and providing the extracted summary information to the user.

14. (Currently Amended) The device according to claim 13, further comprising:

a secondary broadcast converter for retrieving a broadcast channel number from the extracted summary information of the secondary broadcast, through which the secondary broadcast is transmitted, and controlling the receiver to receive a broadcast channel corresponding to the broadcast channel number.

15. (Currently Amended) The device according to claim 13, wherein the summary information of the secondary broadcast includes a message identifier for identifying the secondary broadcast, and the device further comprising a memory for storing the message identifier.

16. (Currently Amended) The device according to claim 13, wherein the summary information of the secondary broadcast includes start and end codes and information representing the summary information size and type.

17. (Currently Amended) A method for receiving a secondary broadcast in a digital broadcasting system employing a control channel and a plurality of broadcast channels, the control channel comprising a synchronous signal section and a data transmission section arranged alternately, the method comprising the steps of:

a) receiving the control channel and a broadcast channel selected by a user from the plurality of broadcast channels, and providing a program of the selected broadcast channel to the user;

b) dividing the data transmission section into a control data section and a secondary broadcast section, searching ~~[[a]]the~~ the secondary broadcast section in the data transmission section of the control channel to determine and determining whether there is summary information of the secondary broadcast;

c) extracting the summary information of the secondary broadcast from the secondary broadcast section; and

d) reproducing the extracted summary information of the secondary broadcast and providing the extracted summary information to the user.

18. (Currently Amended) The method according to claim 17, further comprising the step of:

e-1) receiving a secondary broadcast corresponding to the summary information of the secondary broadcast in accordance with the user's request, and providing the secondary broadcast to the user.

19. (Currently Amended) The method according to claim 18, further comprising the step of:

e-2) determining whether the secondary broadcast corresponding to the summary information of the secondary broadcast is being transmitted through at least one of the plurality of broadcast channels.

20. (Currently Amended) The method according to claim 19, further comprising the step of:

e-3) checking whether the summary information of the secondary broadcast includes a channel number of the at least one broadcast channel.

21. (Original) The method according to claim 19, further comprising the step of:

f) displaying whether the secondary broadcast is being transmitted through the at least one broadcast channel.

22. (Currently Amended) A method for providing a secondary broadcast in a digital broadcasting system employing a control channel and a plurality of broadcast channels, the control channel transmitting therethrough a synchronous signal section and a data transmission section alternately, the method comprising the steps of:

a) dividing the data transmission section into a control data section and a secondary broadcast section, and allocating summary information of the secondary broadcast and control data of the broadcast channels to the secondary broadcast section and the control data section, respectively;

b) multiplexing the data transmission section and the synchronous signal section while arranging the data transmission section and the synchronous signal section alternately, and transmitting the multiplexed data transmission section and the synchronous signal section through the control channel;

c) receiving a signal transmitted through the control channel, and determining whether there is summary information of the secondary broadcast in the secondary broadcast section; and

d) reproducing the summary information of the secondary broadcast after extracting the summary information from the secondary broadcast section.

23. (Currently Amended) The method according to claim 22, further comprising the steps of:

e) transmitting a secondary broadcast corresponding to the summary information of the secondary broadcast through at least one of the plurality of broadcast channels; and

f) receiving a secondary broadcast transmitted through the at least one broadcast channel in accordance with a user's request, and providing the secondary broadcast to the user.

24. (Currently Amended) The method according to claim 23, wherein the summary information of the secondary broadcast comprises a channel number of the at least one broadcast channel through which the secondary broadcast is transmitted.

25. (Original) The method according to claim 23, wherein the step f) further comprises the step of:

displaying whether the secondary broadcast is being transmitted through the at least one broadcast channel.

26 – 28 (Canceled)

29. (Currently Amended) The method according to claim 17, further comprising the steps of:

g) comparing the summary information of the secondary broadcast with previously received summary information of the secondary broadcast to determine whether the summary information and previously received summary information are identical; and

h) preventing the display of the summary information of the secondary broadcast when the summary information of the secondary broadcast and previously received summary information are identical.

30 (Canceled)

31. (Currently Amended) The method according to claim ~~[[30]]~~29, further comprising the step of:

i) storing the message identifier included in the summary information of the secondary broadcast in the memory.

32. (Original) The method according to claim 17, wherein the summary information comprises start and end codes.

33. (Currently Amended) The method according to claim 32, wherein the step of searching a secondary broadcast section in the data transmission section of the control channel to determine whether there is summary information of the secondary broadcast further includes the step of checking whether the secondary broadcast section includes the start code.

34. (Currently Amended) The method according to claim 18, further comprising the steps of:

j) storing a broadcast channel number of a broadcast channel selected by the user; and

k) resuming receipt of the previous broadcast channel, ~~whose channel number is stored at the step j)~~, when a user inputs a request to terminate watching of the secondary broadcast.

35 – 47 (Canceled)